



171937

2301 Curtiss Street Downers Grove, Illinois 60515-4036

Fax Cover Form

Date FEB 10, 1997

Deliver To DIANE FLOREN From HAROLD HARTZELL

Company Superior Phone Number 630-969-7640

Fax Number 414-942-1944 Fax Number 630-969-0253

Number of Pages Including Cover Page 15

Message:



2301 Curtiss Street Downers Grove, Illinois 60515 708-969-7640 Fax: 708-969-0253

April 16, 1991

Illinois Environmental Protection Agency
Division of Land Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Attention: Mr. Krishna Brahmandam

Subject: Illinois Special Waste Stream Application
Non-Hazardous Oil-Dry Mixture
Certification of Pesticides and Herbicides

Dear Mr. Brahmandam:

Per your request, I certify that the following Pesticides and Herbicides are not present in our waste stream.

Pesticides:
D020 Chlordane
D012 Endrin
D031 Heptachlor
D013 Lindane
D014 Methoxychlor
D015 Toxaphene

Herbicides:
D016 2,4-D
D017 2,4,5-TP (Silvex)

Sincerely yours,

ARROW GEAR COMPANY

David Greco, Mgr.
Environmental Compliance



1177162-5762

APRIL 12, 1991
APPLICATION RECEIVED: 11/13/90
PERMIT NUMBER 911166-135215007
PERMIT ISSUED TO:

WASTE STREAM NUMBER 911166
PERMIT EXPIRES: 04/12/91

LITCHFIELD-HILLSBORO LP. INC.
ROUTE 16 EAST
P.O. BOX 97
LITCHFIELD, IL 62556

ENVITECH-ILLINOIS INC
1340 HURON ST SOUTH
YPSILANTI, MI 48197

WASTE NAME: WASTE OIL AND OIL-DRY MIXTURE
WASTE CLASS 30 NON-HAZARDOUS

PERMIT TO RECEIVE THE INDICATED WASTE IS GRANTED.

SITE NAME: LITCHFIELD-HILLSBORO LANDFILL I EPA SITE NO.: 135215007

DISPOSITION OF WASTE: 25
BULK OR CONTAINERIZED MIXED WITH DAILY REFUSE

WASTE TREATMENT:

STORAGE:

ATTENTION: DAVID GRECO, ROM KAUZLARICH
WASTE GENERATOR: ARROW GEAR CO.
2301 CURTISS ST
DOWNERS GROVE, IL 60515

EPA GENERATOR NO.: 0430305016

THIS PERMIT IS GRANTED SUBJECT TO THE ATTACHED STANDARD CONDITIONS AND ANY SPECIAL CONDITIONS LISTED BELOW.

LD:KAC/KPL
CC:ARROW GEAR CO
REGION: SPRINGFIELD

LAWRENCE W. EASTER, P.E.
MANAGER, PERMIT SECTION
DIVISION OF LAND POLLUTION CONTROL



2301 Curtiss Street Downers Grove, Illinois 60515 708-969-7640 Fax: 708-969-0253

March 12, 1991

Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Attention: Mr. Krishna Brahmandam

Subject: Illinois Special Waste Stream Application
Non-Hazardous Oil-Dry Mixture

Dear Mr. Brahmandam:

This letter is in response to the required Special Waste Stream Application for non-hazardous oil-dry mixture and for compliance under the requirements of the TCLP rule.

As a manufacturer of high precision gearing, the utilization of pesticides and herbicides in our manufacturing process is non-existent. Therefore, I certify, based upon my knowledge of the waste and the process generating the waste, that pesticide and herbicide components are not present in the waste.

Sincerely yours,

ARROW GEAR COMPANY

A handwritten signature in black ink, appearing to read "DAVID GRECO", written over the company name.

David Greco, Mgr.
Environmental Compliance

DG:eu

DATE ENTERED 15 / 11 / 20)

CARD
TYPE
$$\frac{9}{5} \frac{5}{7}$$
[illegible]

(FOR AGENCY USE L P S W C WASTE STREAM NUMBER
(AUTHORIZATION)TRANS.
CODEDATE ENTERED / / CARD
TYPE9 5
6 7

CODE	LAB MEASUREMENTS CONSTITUENT DESCRIPTION AND REQUIRED UNIT OF MEASURE	STORET NUMBER	> OR <	VALUE
TOTAL CONCENTRATION IN WASTE (Cont.)				
	CYANIDE (PPM) <i>REACTIVE</i>	99041	<	0.25
	SULFIDE (PPM) <i>REACTIVE</i>	99041	<	0.25
	TOC (PPM)	99044	—	—
	CHLORINE (PPM)	99046	—	—
	BOTTOM SEDIMENT AND WATER (%)	99047	—	—
TOXICITY CONCENTRATION (FCLP) <i>(TCLP)</i>				
	ARSENIC (PPM as As)	99012	—	0.002
	BARIUM (PPM as Ba)	99014	—	2.08
	CADMIUM (PPM as Cd)	99016	—	0.008
	CHROMIUM (PPM as Cr)	99018	—	0.020
	CHROMIUM, HEXAVALENT (PPM as Cr +6)	99019	—	—
	LEAD (PPM as Pb)	99020	<	0.04
	MERCURY (PPM as Hg)	99022	<	0.0002
	SELENIUM (PPM as Se)	99024	<	0.001
	SILVER (PPM as Ag)	99026	<	0.005
	ENDRIN (PPM)	99028	—	—
	LINDANE (PPM)	99030	—	—
	METHOXYCHLOR (PPM)	99032	—	—
	TOXAPHENE (PPM)	99034	—	—
	2, 4 - D (PPM)	99036	—	—
	2, 4, 5 - TP SILVEX (PPM)	99038	—	—
	ACETONE (PPM)	99098	—	—
	N-BUTYL ALCOHOL (PPM)	99104	—	—
	CARBON DISULFIDE (PPM)	99048	—	—
	CARBON TETRACHLORIDE (PPM)	99050	<	0.02
	CHLOROBENZENE (PPM)	99096	<	0.02
	CRESOLS (M-O-P & CRESYLIC ACID (PPM))	99094	—	—
	CYCLOHEXANONE (PPM)	99106	—	—
	1, 4-DICHLOROBENZENE (PPM)	99052	<	0.02
	ETHYLACETATE (PPM)	99108	—	—

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
SPECIAL WASTE STREAM APPLICATION

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter III 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

CARD
TYPE

(FOR AGENCY USE $\frac{1}{1}$ $\frac{P}{2}$ $\frac{S}{3}$ $\frac{W}{4}$ $\frac{C}{5}$ WASTE STREAM NUMBER $\frac{8}{8}$ $\frac{13}{13}$ TRANS CODE $\frac{14}{14}$ DATE ENTERED $\frac{15}{15}$ $\frac{16}{16}$ $\frac{17}{17}$ $\frac{18}{18}$ $\frac{19}{19}$ $\frac{20}{20}$)

This application is a: (check one) ☐ New Application ☐ Renewal ☐ Waste Stream Number

Expiration Date (If The Permit Is Being Renewed $\frac{21}{21}$ $\frac{22}{22}$ $\frac{23}{23}$ $\frac{24}{24}$ $\frac{25}{25}$ $\frac{26}{26}$ $\frac{27}{27}$ $\frac{28}{28}$ $\frac{29}{29}$ $\frac{30}{30}$)

This application is for waste: (check one) ☐ Storage ☐ Disposal ☐ Treatment

SITE ADDRESS

APPLICANT (SITE)

APPLICANT ADDRESS

Name: $\frac{31}{31}$ $\frac{32}{32}$ $\frac{33}{33}$ $\frac{34}{34}$ $\frac{35}{35}$ $\frac{36}{36}$ $\frac{37}{37}$ $\frac{38}{38}$ $\frac{39}{39}$ $\frac{40}{40}$ Name: $\frac{41}{41}$ $\frac{42}{42}$ $\frac{43}{43}$ $\frac{44}{44}$ $\frac{45}{45}$ $\frac{46}{46}$ $\frac{47}{47}$ $\frac{48}{48}$ $\frac{49}{49}$ $\frac{50}{50}$

Address: $\frac{51}{51}$ $\frac{52}{52}$ $\frac{53}{53}$ $\frac{54}{54}$ $\frac{55}{55}$ $\frac{56}{56}$ $\frac{57}{57}$ $\frac{58}{58}$ $\frac{59}{59}$ $\frac{60}{60}$ Address: $\frac{61}{61}$ $\frac{62}{62}$ $\frac{63}{63}$ $\frac{64}{64}$ $\frac{65}{65}$ $\frac{66}{66}$ $\frac{67}{67}$ $\frac{68}{68}$ $\frac{69}{69}$ $\frac{70}{70}$

(county) $\frac{71}{71}$ / (community) $\frac{72}{72}$ / (state) $\frac{73}{73}$ / (zip) $\frac{74}{74}$ (county) $\frac{75}{75}$ / (community) $\frac{76}{76}$ / (state) $\frac{77}{77}$ / (zip) $\frac{78}{78}$

$\frac{1}{1}$ IEPA $\frac{21}{21}$ SITE CODE $\frac{22}{22}$ $\frac{23}{23}$ $\frac{24}{24}$ $\frac{25}{25}$ $\frac{26}{26}$ $\frac{27}{27}$ $\frac{28}{28}$ $\frac{29}{29}$ $\frac{30}{30}$ USEPA $\frac{31}{31}$ SITE CODE $\frac{32}{32}$ $\frac{33}{33}$ $\frac{34}{34}$ $\frac{35}{35}$ $\frac{36}{36}$ $\frac{37}{37}$ $\frac{38}{38}$ $\frac{39}{39}$ $\frac{40}{40}$

DISPOSAL METHOD $\frac{41}{41}$ $\frac{42}{42}$ $\frac{43}{43}$ $\frac{44}{44}$ $\frac{45}{45}$ TREATMENT METHOD $\frac{46}{46}$ $\frac{47}{47}$ $\frac{48}{48}$ $\frac{49}{49}$ $\frac{50}{50}$ STORAGE METHOD $\frac{51}{51}$ $\frac{52}{52}$ $\frac{53}{53}$ $\frac{54}{54}$ $\frac{55}{55}$ $\frac{56}{56}$ $\frac{57}{57}$ $\frac{58}{58}$ $\frac{59}{59}$ $\frac{60}{60}$

Site Contact Name $\frac{61}{61}$ $\frac{62}{62}$ $\frac{63}{63}$ $\frac{64}{64}$ $\frac{65}{65}$ $\frac{66}{66}$ $\frac{67}{67}$ $\frac{68}{68}$ $\frac{69}{69}$ $\frac{70}{70}$ Telephone ($\frac{71}{71}$ $\frac{72}{72}$) $\frac{73}{73}$ $\frac{74}{74}$ $\frac{75}{75}$ $\frac{76}{76}$ $\frac{77}{77}$ $\frac{78}{78}$ $\frac{79}{79}$ $\frac{80}{80}$

The undersigned hereby makes application for a supplemental permit for the storage, treatment or disposal of this waste stream and certifies that the information referenced herein is true, correct and current.

Signature $\frac{81}{81}$ $\frac{82}{82}$ $\frac{83}{83}$ $\frac{84}{84}$ $\frac{85}{85}$ $\frac{86}{86}$ $\frac{87}{87}$ $\frac{88}{88}$ $\frac{89}{89}$ $\frac{90}{90}$ Signature $\frac{91}{91}$ $\frac{92}{92}$ $\frac{93}{93}$ $\frac{94}{94}$ $\frac{95}{95}$ $\frac{96}{96}$ $\frac{97}{97}$ $\frac{98}{98}$ $\frac{99}{99}$ $\frac{100}{100}$

(Owner/Authorized Agent)

(Operator/Authorized Agent)

DATE $\frac{101}{101}$ $\frac{102}{102}$ $\frac{103}{103}$ $\frac{104}{104}$ $\frac{105}{105}$ $\frac{106}{106}$ $\frac{107}{107}$ $\frac{108}{108}$ $\frac{109}{109}$ $\frac{110}{110}$

FOR AGENCY USE STATUS $\frac{111}{111}$ $\frac{112}{112}$ $\frac{113}{113}$ $\frac{114}{114}$ $\frac{115}{115}$ $\frac{116}{116}$ $\frac{117}{117}$ $\frac{118}{118}$ $\frac{119}{119}$ $\frac{120}{120}$ START DATE $\frac{121}{121}$ $\frac{122}{122}$ $\frac{123}{123}$ $\frac{124}{124}$ $\frac{125}{125}$ $\frac{126}{126}$ $\frac{127}{127}$ $\frac{128}{128}$ $\frac{129}{129}$ $\frac{130}{130}$ EXPIRATION DATE $\frac{131}{131}$ $\frac{132}{132}$ $\frac{133}{133}$ $\frac{134}{134}$ $\frac{135}{135}$ $\frac{136}{136}$ $\frac{137}{137}$ $\frac{138}{138}$ $\frac{139}{139}$ $\frac{140}{140}$

WASTE GENERATOR INFORMATION

PLANT ADDRESS

MAILING ADDRESS

Name: ARROW GEAR COMPANY Name: SAME

Address: 2301 CURTISS ST Address:

UPPAGE DOWNERS GROVE IL 160515 (county) $\frac{141}{141}$ / (community) $\frac{142}{142}$ / (state) $\frac{143}{143}$ / (zip) $\frac{144}{144}$ (county) $\frac{145}{145}$ / (community) $\frac{146}{146}$ / (state) $\frac{147}{147}$ / (zip) $\frac{148}{148}$

Generator IEPA Code: 0430305016 Generator USEPA Code: 1LD005075205

Generator Contact Name: DAVID GRECO, RON KAUZLARICH

Telephone (708) 969-7640 Generator SIC Code 3566

Process/Operation CODE 888

Process/Operation Name: INDUSTRIAL MANUFACTURING

Process Description: USED MACHINING AND GRINDING OILS.
ABSORBED WITH OIL-DRY FROM OVERSPILL OR
LEAKING MACHINERY.

Generic Waste Code $\frac{149}{149}$ $\frac{150}{150}$ $\frac{151}{151}$ $\frac{152}{152}$ $\frac{153}{153}$ $\frac{154}{154}$ $\frac{155}{155}$ $\frac{156}{156}$ $\frac{157}{157}$ $\frac{158}{158}$

Generic Waste Name: WASTE OIL AND OIL-DRY MIXTURE

*INDICATE ULTIMATE DISPOSITION OF TREATMENT RESIDUALS OR WASTES:

REGIONAL LANDFILL - LITCHFIELD-HILLSBORO
LANDFILL INC.



2301 Curtiss Street Downers Grove, Illinois 60515 708-969-7640 Fax: 708-969-0253

March 11, 1991

Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Attention: Mr. Krishna Brahmandam

Subject: Illinois Special Waste Stream Application
Non-Hazardous Oil-Dry Mixture

Dear Mr. Brahmandam:

Attached you will find an updated special waste stream application for your review. This updated application is to supersede our previous application.

Because of the delays encountered in receiving initial permit approval, we are forced to consume additional expense. These expenses are related to TCLP compliance and submittal of a new sample for analytical testing.

If there are any questions regarding this application, please contact me at 708/969-7640.

Sincerely,

ARROW GEAR COMPANY

A handwritten signature in black ink, appearing to read "David Greco", written over the printed name.

David Greco, Mgr.
Environmental Compliance

DG:eu

Att.



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Bartlett Division
850 West Bartlett Road
Bartlett, IL 60103

Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Mr. Dave Greco
ARROW GEAR
2301 Curtiss St.
Downers Grove IL 60515

02-28-91

Sample No.: 126749

Sample Description: Non-Hazardous Oil-Dry Mixture

Date Taken: 02-11-91 1445

Date Received: 02-11-91 1540

TCLP BASE/NEUTRAL COMPOUND

(EXTRACTION)

Hexachloroethane	<100.	ug/L
Nitrobenzene	<100.	ug/L
Hexachlorobutadiene	<100.	ug/L
2,4-Dinitrotoluene	<100.	ug/L
Hexachlorobenzene	<100.	ug/L
Pyridine	<100.	ug/L

Neal E. Cleghorn
Project Manager



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ENVIRONMENTAL
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850 West Bartlett Road
Bartlett, IL 60103

Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Mr. Dave Greco
ARROW GEAR
2301 Curtiss St.
Downers Grove IL 60515

02-28-91

Sample No.: 126749

Sample Description: Non-Hazardous Oil-Dry Mixture

Date Taken: 02-11-91 1445

Date Received: 02-11-91 1540

TCLP VOLATILE COMPOUNDS (ZHE)

Benzene	<20.	ug/L
Carbon tetrachloride	<20.	ug/L
Chlorobenzene	<20.	ug/L
Chloroform	<20.	ug/L
1,4-Dichlorobenzene	<20.	ug/L
1,2-Dichloroethane	<20.	ug/L
1,1-Dichloroethene	<20.	ug/L
Tetrachloroethene	<20.	ug/L
Trichloroethene	<20.	ug/L
Vinyl chloride	<200.	ug/L
Methyl ethyl ketone	<200.	ug/L

Neal E. Clegorn
Neal E. Clegorn
Project Manager



**Waste
Systems™**

BROWNING-FERRIS INDUSTRIES

E & E Hauling, Inc.
Mallard Lake Landfill

Recycled paper

TO: OPERATION MANAGER
ROUTE FOREMAN
DISPATCH
ACCOUNTING

August 28, 1995

Dear Customer,

As previously stated, in compliance with the Illinois Environmental Act, **ALL** tires brought to the Mallard Lake Landfill for disposal will be rejected.

As previously stated, effective July 1, 1994, the Mallard Lake Landfill no longer accepts "WHITE GOODS" for disposal. All white goods brought to Mallard Lake Landfill for disposal will be returned to the hauler.

INCLUDED AS WHITE GOODS: refrigerators, ranges, water heaters, freezers, air conditioners, humidifiers, stoves, clothes washers, clothes dryers, dehumidifiers, ovens, dishwashers, water coolers, heat pumps, chillers, furnaces and boilers.

NOT INCLUDED AS WHITE GOODS: hand-held appliances, televisions, VCR's, garbage disposals, business or office equipment, computers and microwave ovens.

The Hanover Park Village Manager has requested that we ask our customers to **NOT** use County Farm Road between Schick Road and Lake Street when traveling to and from the landfill. Thank you for your cooperation.

RATE STRUCTURE EFFECTIVE October 1, 1995:

Roll Off Volumes (Loose and Compacted)	\$26.40/ton
Roll off trucks with a capacity of 20 yards or more are subject to a 4 ton minimum	
Roll off trucks with a capacity of less than 20 yards are subject to a 2 ton minimum	
Front End Loaders (4 ton minimum)	\$26.40/Ton
Rear End Loaders (4 ton minimum)	\$26.40/Ton
Transfer Trailer Loads (Loose & Compacted)	\$21.50/Ton
Hard to Handle	\$50.00/Ton
Permanent Special Wastes	\$18.00/yd
Contaminated Soils	\$16.50/yd
MINIMUM CHARGE	\$25.00

& E Hauling reserves the right to change the above prices or add alternative pricing at any time for any reason.

NOTE: The above prices include all applicable State, county and F.P.D fees.

26 W. 580 SCHICK ROAD • HANOVER PARK, ILLINOIS 60132 • (708) 894-2000 • FAX: (708) 894-2000

Section V—Reactivity Data
Stability Unstable Conditions to Avoid
 Stable X None

Incompatibility

Avoid strong oxidizing agents (peroxides, permanganates, nitric acid, etc.)

Decomposition or Byproducts

Pyrolysis yields CO, CO₂ and incompletely burned hydrocarbons.

Hazardous Polymerization May Occur Conditions to Avoid
Will Not Occur X None

Section VI—Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion
 Not applicable Not applicable Not applicable

Health Hazards (Acute and Chronic)

No acute or chronic health hazards known. Possible mechanical irritation if induced into the eye due to abrasive grit present.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?
 Not listed Not listed Not regulated

Signs and Symptoms of Exposure

None expected

Medical Conditions Generally Aggravated by Exposure

None known

Emergency and First Aid Procedures

For eye contact - flush with tepid water 15 minutes, holding eyelids apart.
Do not rub eyes. Seek medical attention.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Wipe up, wipe up with rags, or use absorbent material. Complete clean-up using detergent water, or high flash point solvent or chlorinated solvent cleaner with adequate ventilation.

Waste Disposal Method

Dispose of in accordance with local, state, and federal regulations.

Precautions to Be Taken in Handling and Storing

Use normal storage and handling for petroleum grease products.

Other Precautions

Keep out of reach of children.

Section VIII—Control Measures

Respiratory Protection

None required with adequate ventilation.

Ventilation/Exhaust

Local Acceptable
Mechanical Acceptable

Protective Gloves None required

Eye Protection Sufficient to prevent contact.

Other Protective Clothing or Equipment

None required

Hygienic Practices

Special work or hygienic practices required.

MSDSCL0002

Clover Silicon Carbide Grease Mix Lapping Compound - all grit sizes



IDENTITY **Clover Silicon Carbide Grease Mix Lapping Compound - all grit sizes**
P/N 51802-51807 7W79500 - 79518

on 1

Fel-Pro Incorporated
7450 N. McCormick Blvd.
P.O. Box 1103
Skokie, Illinois 60076

Emergency and Information Telephone Numbers
(708) 674-7700 or (312) 761-4500

Date Prepared
May 23, 1991

Prepared by Pat Fraser
Pat Fraser / CC

HMIS Rating

H
HEALTH 0

F
FLAMMABILITY 1

R
REACTIVITY 0

Section II—Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
Silicon Carbide (CAS #409-21-2)	10 mg/m ³	10 mg/m ³	---	30-40%
Silicon Dioxide (CAS #7631-86-9)	NE	NE	---	<1%
Carbon Black (CAS #1333-85-4)	3.5 mg/m ³	3.5 mg/m ³	---	<1%

This product consists of silicon carbide dispersed in grease and is considered nonhazardous in this form. The balance of this product is considered nonhazardous per U.S. Department of Labor OSHA criteria re: 29 CFR 1910.1200 Hazard Communication Law.

This product contains no ingredients subject to the reporting requirements of Section 313, Title III of SARA, 40 CFR Part 372.

This product contains the following ingredient which is subject to California Proposition 65 as a reproductive hazard: None.

Section III—Physical/Chemical Characteristics

Boiling Point @ 760 mm Hg	> 500°F	Specific Gravity (H ₂ O=1)	1.15
Vapor Pressure (mm Hg.) @ 68°F	Negligible	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water	Insoluble		

Appearance and Odor

Gray paste, slight petrolatum odor.

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
>300°F C.O.C. (ASTM D92-57)	Not applicable	---	---

Extinguishing Media

Use CO₂, foam or dry chemical. Water may be ineffective.

Special Fire Fighting Procedures

Use eye protection. Use self-contained breathing apparatus when fighting fires in confined areas.

Usual Fire and Explosions Hazards

, except as for petroleum grease fires.